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Plant Biology and Biotechnology: Focus on Genomics and Bioinformatics

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Deadline for manuscript submissions:

closed (15 February 2022)

Message from the Guest Editors

The study of molecular mechanisms of plant stress response is important for agrobiotechnology applications. It is in the focus of modern sequencing and bioinformatics research. Sequencing and systems biology approaches offer a comprehensive view of plant growth from molecular to cellular, organ, and population levels. Sequencing and microscopy technologies make it possible to model protein–protein and gene regulatory interactions in plant cells, providing a basis for better crop production and sustainability. Plant–pathogen interaction studies complement network modeling in this area. Based on the high demand, we announce this Special Issue on molecular informatics for plant biotechnology, continuing journal Special Issues on medical genomics and bioinformatics based on sequencing data analysis.

In this Special Issue we collect works on the following topics: 1) gene expression regulation in plants; 2) plant genomics and bioinformatics; 3) miRNA and molecular mechanisms studies in plants; 4) plant systems biology and digital phenotyping; 5) sequencing of model organisms for agro- and biotechnology.



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Special Issue



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Message from the Editor-in-Chief

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